

RECOMMENDED BY CONTRACTING OFFICER FOR APPROVAL

NASA/GODDARD SPACE FLIGHT CENTER

## REQUEST FOR TASK PLAN / TASK ORDER

QAS Group, Inc.	NASS- 99124	TASK NO. 35	AMENDMENT	480-816-33-32-89	99
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TASK TITLE: (ENTER 80 characters; include Project name)

Mission Operations &amp; On-Orbit Verification

ASSISTANT TECHNICAL REPRESENTATIVE (FOR TASK MONITOR)		DATE 4/21/99	ONR/ CODE 480	MAN/ CODE 480	PHONE 301-286-2577
BRANCH HEAD <i>Johnny Ferry A. Azalez</i>		DATE 4/21/99	CODE	NAME	301-286-8430
CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE (COTR) <i>Fred Huang Diversee A. Clark</i>		DATE 4/22/99	CODE	PHONE	301-286-2285
FLIGHT HARDWARE, CRITICAL (OR SOFTWARE) <i>None</i>	CONTRACTING OFFICER'S QUALITY REP. <i>Larry Moore</i>	DESIGNATED PAM:			
<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES					
The contractor shall identify and explain the reason for any deviations, exceptions, or conditional assumptions taken with respect to this Task Order or to any of the technical requirements of the Task Order, Statement of Work and related specifications.		(To be completed by Contracting Officer)			
The contractor shall complete and submit the required Rate and Cost.		C.O. Requested Quote on: Date: APR 23 1999			

Contractor will develop specification or statement of work under this task for a future procurement.  NO     YESFlight hardware will be shipped to GSFC for testing prior to final delivery.  NO     YES     N/AGovernment Furnished Property/Facilities:  NO     YES - SEE LIST OF GFF (initials only) / FACILITIES (initials only)Onsite Performance:  NO     YES    If yes:  TOTAL     PARTIAL  
If partial, indicate onsite work in SOW by selecting (✓)Surveillance Plan Attached:  NO     YES

Highlighted Contract Clauses: (To be completed by Contracting Officer)

Per Clause H.14, Task Ordering Procedure, subparagraph (f), the effective date of this task order shall be May 3, 1999.

## INCENTIVE FEE STRUCTURE (check one)

Item Contract NASS-99124, Attachment X, Incentive Fee Plan

X	No. 1	No. 2	No. 3	No. 4	No. 5
Cost	10%	60%	25%	36%	%
Schedule	15%	25%	25%	50%	%
Technical	75%	25%	50%	25%	%

(To be completed by Contracting Officer)

The target cost of this task order is \$ 1,211,465 ✓

The target fee of this task order is \$ 75,345 ✓

The total target cost and target fee of this task order as contemplated by the Incentive Fee clauses of this contract is \$ 1,286,810 ✓

The maximum fee is \$ 110,119 ✓

The minimum fee is \$0.

✓OK

THIS TASK ORDER IS ISSUED ACCORDING TO THE CONTRACT CLAUSE "TARI ASSESSMENTS AND REBATES"

*Lorraine L. Eakin*  
AUTHORIZED SIGNATURE11/8/99  
DATELorraine L. Eakin  
Contracting Officer  
TYPE NAME OF CONTRACTING OFFICER*Jeanne R.*  
AUTHORIZED SIGNATURE11/16/99  
DATE

MAR 07 2001 10:10 FR

TO CODE 215

P.03/04

TECHNICAL WORK MAY NOT BEGIN PRIOR TO GO APPROVAL

NASA/GODDARD SPACE FLIGHT CENTER

## REQUEST FOR TASK PLAN / TASK ORDER

QSS Group, Inc.	NASS-	TASK NO.	AMENDMENT
	99124		35

Applicable paragraphs from contract Statement of Work: Function 21

**STATEMENT OF WORK:** (Continue on blank paper if additional space is required)  
 See Page 3.

NOTE: This Statement of Work covers both on-site and offsite performance

**PERFORMANCE SPECIFICATIONS:**

Monthly Technical Progress Report to include: summary of present monthly progress; identification of next month's activities, defining of problems encountered, assessment of impact to the program, and issues or items that should be reviewed.

Examples will be provided to the contractor for all deliverables and requirements contained in the SOW.

**APPLICABLE DOCUMENTS:**

None

TASK END DATE: 4/30/00

**MILESTONES/DELIVERABLES AND DATES:**

NOAA-L test plans -- 1 week prior to test. Summary Rpt:--1 week after test. Final Rpt.--  
 NOAA-L Test Plan 10/15/99 4 weeks after test.

XXXXXXXXXXXXXX

Verification Report - 6/5/99

JPL/ESOC/NOAA

QA/QC Status

XXXXXXXXXXXXXX

NOAA-L PRD - 5/25/99 10/15/99

SOCC Mission Operations Rqmts Doc (SMORD) - XXXXXX 1/15/00

Simulation Plan - XXXXXX 11/15/99

Rqmts Verification Matrix - XXXXXX 11/15/99 (With monthly status updates)

XXXXXXXXXXXXXX

Simulation scripts - XXXXXX 12/15/99

NOAA-L OV Support Plan - XXXXXX 10/15/99

NOAA-L OV Test Descriptions - XXXXXX 12/15/99

NOAA-L OV Analysis Plan - XXXXXX 12/15/99

NOAA-L OV (CP's, Display Pages, COPS) XXXXXX 1/15/00

Launch Mgmt Plan - XXXXXX 1/15/00

NOAA Test Chronology - XXXXXX 12/15/99 (With Bi-monthly Updates)

Fit Ops Readiness Review (Data Packs) - XXXXXX 12/15/99

Flight Timetable - XXXXXX 4/15/00 (Launch minus 1 month)

U/D S/W tools to perform inst 1B data anal - XXXXXX 1/15/00

End of End XXXXXX 5/5/99 Test reports for NOAA-L Proficiency Tests & AFSCN Compat. Test--  
 NOAA-L OV Plan 10/15/99 1 week after test.

XXXXXXXXXXXXXX

NOAA-L Network Ops Support Plan (NOSP)--2/15/00 (Launch minus 3 mos.)

XXXXXX/XXXXX/99

NOAA-L Detailed Mission Requirements (DMR) Doc. --10/15/99

XXXXXX/XXXXX/99

MOWG Schedule (Milestone schedule of Mission Ops Activities--Bi-Weekly)

XXXXXX/XXXXX/99

NOAA K Lessons Learned Matrix (Bi-weekly updates)

**PERFORMANCE STANDARDS:**

Schedule: On-time delivery of the above

Technical: ATR's acceptance of the above

**FINAL DELIVERY DESTINATION (NAME, BLDG, ROOM):**

Johnny Ferry, building 6, room S234

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**REQUEST FOR TASK PLAN / TASK ORDER**

CONTRACTOR	NAAS-	TASK NO.	AMENDMENT
OSS Group, Inc.	99124	35	

**STATEMENT OF WORK: (Continued)**

In order for the POES Project to prepare, analyze and verify operational readiness of the NOAA-L-N' missions as well as perform on-orbit checkout and verification, mission operations will utilize the contractor's services to accomplish the following:

Review manpower allocations and requirements to ensure that the NOAA-L-N' missions have the proper levels of expertise and support for launch and on-orbit checkout and verification.

Conduct compatibility testing to verify the NOAA/SOCC-DSN, LMMS, and remote sites interfaces to verify procedures verification within SOCC.

Develop Project Database Management Procedures to ensure a coordinated operational approach for the transformation, validation and certification of Project Databases for the NOAA-L-N' missions. Provide real-time services to the LMSG Test Director during integration and A & E activities.

Develop a schedule and conduct activities required to ensure and/or accomplish launch readiness. These efforts include the development of a mission contingency plan, launch command tables, SOCC contingency procedures, SOCC verification tests, and a launch script.

Review and develop, where required, the nominal and contingency procedures addressing the SOCC/AFSCN and SOCC/DSN interfaces.

Plan, develop, document, and conduct spacecraft systems testing.

Develop an operational readiness approach to ensure that the entire NOAA ground system is ready to support the POES launches, on-orbit checkout/verification, as well as the operational environment. This will include:

- a. Planning and implementing the Flight Operations Readiness Reviews
- b. Coordinating and documenting all Ground System Readiness Testing

Plan, conduct, monitor, and evaluate proficiency training and pre-mission simulations. Develop SOCC certification plan and procedures. Perform on-console proficiency training of the SOCC/POES operators. Perform detailed simulation scripting for all pre-mission simulations and rehearsals. Configure the TTS to support simulation scripts, validate scripts via the TTS, and operate the TTS during all pre-mission simulations.

Perform console duties in the SOCC as the Test Coordinator (TC). This will provide continuity as well as maximize utilization of the contractor's expert NOAA-L-N' knowledge and experience in the areas of ground system integration, database development, TSS operations, mission planning and training.

Establish, chair, and coordinate the activities of the Training/Simulation Integration Working Group (TSIWG) as well as the Simulation Team activities, for NOAA-L-N'.

Perform mission duties on-console as one of the Mission Operations Managers (MOM) in the SOCC Launch Control Room (LCR) during on-orbit checkout and verification activities.

Work with NOAA personnel to upgrade the ground system to improve performance.

Prepare for on-orbit verification (OV) of the next POES satellite by developing:

- a. NOAA-L On-Orbit Verification Plan
- b. NOAA-L On-Orbit Verification Support Plan
- c. NOAA-L Test Description (TD) Document
- d. NOAA-L Analysis Plan (AP)
- e. CMD Procedures, Display Pages and COPS
- f. NOAA-L Instrument 1B Data Analysis Software Tool (for off-line data analysis)

Plan for and conduct the Launch and Early Operations (LEO) phase and the Activation & Evaluation (A&E) phase of the next POES satellites.

Participate in Mission Operations Working Group (MOWG) meetings.